



Neutron Fire Technologies Ltd

Firebreak Linear Gap Seal Safety Data Sheet

1. Identification of the preparation and company

- 1.1 Product Name: Firebreak Linear Gap Seal
1.2 Application of the Substance/Preparation: Flexible intumescent gap seal for linear joints
1.3 Supplier: Neutron Fire Technologies Ltd., Shire Hall, Lostwithiel, Cornwall, PL22 0BS, United Kingdom
Emergency Telephone Number (office hours only): +44 (0) 1208 871185 F: +44 (0) 1208 871254
Email: sales@neutronfire.com

2. Hazards identification

- 2.1 Classification of the mixture - Regulation EC 1272/2008: this product is not classified as hazardous according to Regulation (EC) No. 1272/2008 (CLP/GHS)
Classification according to Directive 67/548/EEC or Directive 1999/45/EC: Not classified
Label
2.2 Label elements
Labelling according to Regulation (EC) 1272/2008 – not applicable
Hazard pictograms – not applicable
Signal word – not applicable
Hazard statements – not applicable
2.3 Other hazards
Results of PBT and vPvB assessment – not applicable in each case

3. Composition / information on ingredients

- 3.1 Description
Elastomeric foam laminated on two sides with a graphite-based intumescent compound
Mixture: consisting of the following components
Article of substances listed below with non-hazardous additions.
Dangerous components:
Graphite CAS: 7440-44-0, EINECS: 231-153-3. Less than 5%
Additional information: This product is an “article” as defined under the REACH Regulation (EC) 1907/2006 Title 1, Chapter 2, Article 3. This product is out of scope for safety data sheet requirements under the REACH Regulation (EC) 1907/2006, Title IV, Article 31. For the wording of the listed risk phrases refer to Section 16.

4. First-aid measures

- 4.1 General: In all cases of doubt, or when symptoms persist, seek medical attention.
Inhalation: Not required in normal use. Remove to fresh air.
Eye Contact: Remove contact lenses. Immediately irrigate copiously with clean water for several minutes. If symptoms persist seek medical attention.
Skin Contact: Wash skin thoroughly with soap and water or recognised skin cleaner. Seek medical attention if skin irritation persists.
Ingestion: Not applicable



4.2 Most important symptoms and effects: No further relevant information available.

5. Fire-fighting measures

- 5.1 Suitable Extinguishing Media: Use fire extinguishing agents suitable to surrounding conditions. Carbon dioxide; powder; water spray/mist. Fight larger fires with water spray or alcohol resistant foam.
- 5.2 Special hazards arising from the substance or mixture: Formation of toxic gases (carbon oxides, nitrogen oxides) is possible during heating or in case of fire.
- 5.3 Advice for firefighters: Wear respiratory protection in enclosed spaces. Generally avoid inhaling fire gases.

6. Accidental release measures

- 6.1 Personal precautionary measures: Avoid formation of dust. Ensure adequate ventilation. Wear protective clothing. See Section 5.
- 6.2 Environmental precautionary measures: Keep away from drains, surface and ground water.
- 6.3 Cleaning methods: Pick up mechanically and dispose of according to local regulations

7. Handling and storage

- 7.1 Information for safe handling: Prevent formation of dust. Avoid contact with the eyes and skin.
- 7.2 Requirements for storage spaces and containers: Store in a cool, dry, well ventilated area. Keep away from direct sun and heat. Do not store in the proximity of open fire. Storage temperature: +5 °C to +25 °C

8. Exposure controls / Personal protection

- 8.1 Control Parameters: Ingredients with limit values that require monitoring at the workplace: 7440-44-0 Graphite. WEL Long term value: 10 mg/m³ as inhalable dust; 4 mg/m³ as respirable dust
- 8.2 Exposure controls: Observe industrial hygiene and safety practices (e.g. wash hands before consuming food/drink) in accordance with local regulations.

Personal Protective Equipment:

Respiratory protection: Not required in normal usage. Ensure good ventilation in working areas

Hand Protection: Wear gloves for general protection against mechanical hazards according to EN 388.

Chemical-protective gloves are not required

Eye Protection: Wear goggles sealed to prevent ingress of fibrous material or dust



Body Protection: Normal protective work clothing



9. Physical and chemical properties

9.1 Appearance:

- Physical State: 100% solid
- Colour: Black
- Odour: None

Safety Relevant Basic Data:

- Melting Point/Range: Not applicable
- Ignition Temperature: Not applicable
- Decomposition Temperature: Above 200 °C
- Boiling Point/Range: Not applicable
- Vapour Pressure: Not applicable
- Flash Point: Not applicable
- Density: Not determined
- Solubility in Water: Insoluble

10. Stability and reactivity

10.1 Reactivity: Stable under normal conditions of use and storage

10.2 Chemical Stability: Decomposition starts at approximately 200 °C

10.3 Dangerous Reactions: No known dangerous reactions under normal conditions of handling, use and storage

10.4 Conditions to avoid: Do not store in the proximity of open fire

10.5 Incompatible Materials: Avoid contact with strong acids and alkali

10.6 Hazardous Decomposition Products: Carbon oxides, nitrogen oxides, ammonia

11. Toxicological information

11.1 There is no evidence of toxicological effects of this product.

Acute Toxicity: None known.

Primary Irritant Effects:

On the skin: Irritating effect

On the eye: Irritating effect

Sensitisation: No sensitizing effects known

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations.

12. Ecological information

12.1 Acute Toxicity: Not known

12.2 Persistence and Degradability: Not known; not easily biodegradable

12.3 Bioaccumulative Potential: Not known

12.4 Mobility in Soil: Not known

Additional Information: Avoid transfer into the environment. Generally not hazardous for water.



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12.5 PBT: Not applicable. vPvB: Not applicable

13. Disposal considerations

13.1 Product Disposal: Small quantities may be disposed of as household waste. For larger quantities, handle as construction industry waste and dispose of in accordance with local regulations.
Packaging Disposal: Dispose of in accordance with local regulations.

14. Transport information

This product is not covered by International regulation on the transport of dangerous goods.

Land Transport (ADR/RID/GGVSE): Not classified as dangerous

Sea Transport (IMDG-Code/GGVSee): Not classified as dangerous

Air Transport (ICAO-IATA/DGR): Not classified as dangerous

Packing Group (ADR/IMDG, IATA): Not applicable

Marine Pollutant: No

UN Number: Not applicable

MARPOL 73/78 and IBC Code: Not applicable

Additional Information: Protect from sources of heat and fire during transportation

15. Regulatory information

Danger Indication: Not applicable. Keep out of the reach of children. The usual precautions when handling chemicals should be taken. The product is a manufactured article, not a substance or preparation: the EU Directive on classification and labelling 67/548EEC is not applicable.

Information about limitation of use: No further relevant information available.

Substances of very high concern (SVHC) according to REACH, Article 57: Not applicable

16. Other information

The information contained in this safety data sheet does not constitute the users own assessment of workplace risks as required by other health and safety legislation.

This Safety Data Sheet should be used in conjunction with technical data sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his or her activity. It is the sole responsibility of the user to fulfil his obligations regarding the use of hazardous products. This information is not exhaustive. This does not exonerate the user from ensuring that legal obligations, other than those mentioned, relating to the use and storage of the product, do not exist. This is solely his/her responsibility. This Safety Data Sheet shall not constitute a guarantee for any specific product feature or features and shall not establish a legally valid contractual relationship between Neutron Fire Technologies Ltd and any other party.



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Abbreviations and Acronyms:

ADR: Accord Européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association